

PURUS TIGERS 1839 – Hybrid CTV for offshore wind transits



Shipbuilder:.....**Damen Shipyards Group**
 Designer:.....**Damen Shipyards Group**
 Vessel's name:.....**Purus Tigers 1839**
 Owner/Operator:.....**Purus Wind**
 Country:.....**UK**
 Flag:.....**UK**
 Total number of sister ships
 already completed:.....**4**
 Total number of sister ships
 still on order:.....**3**
 Contract date:.....**March 2023**
 Delivery date:.....**January 2025**

bridge console lay-out". The company adds:
 "The twin axle hullform ensures excellent
 stability and fuel economy as well as
 providing extensive deck space and
 accommodation."

Damen is supporting the FCS 2710 Hybrid
 via its UK service hub, situated in
 Southampton. "Purus will have access to
 local support, both scheduled and
 unscheduled, as well as to spare parts and
 components to help them ensure maximal
 uptime," Damen says.

TECHNICAL PARTICULARS

Length, oa26.8m
 Length, moulded26m
 Breadth, moulded10.3m
 Depth at sides4.3m
 Gross tonnage235
 Draught max2.3m
 Design, deadweight15tonnes
 Deck space (total)90m²
 Max speed>25knots
 Range700nm@25knots

Propulsion
 Main engine(s):
 Number of engines2
 MakeCaterpillar
 ModelC32 TTA
 Output total power2,162kW@
 2,000-2,300rpm

Gearbox(es):
 Number of gearboxes2
 MakeReintjes
 ModelZWVSA 440

Propeller(s):
 Number of propellers2
 MaterialNi-Al-Bronze
 Fixed/controllable pitchFixed
 Open/nozzledOpen

Deck machinery
 Crane(s):
 Number of cranes1
 Capacities/SWL1,700kg@10.56m

Anchor winch(es):
 Number of winches1 x electric
 anchor winch
 Anchor weight150kg

Other deck machinery/equipment:
 - Heavy-duty bow fender
 - Hoisting winch

Bridge electronics:
 Radars2 x 19" radar scanner 4ft,
 X-band, range up to 96nm
 GMDSSA2
 GPS5.7" LCD, 24 V

Other communication systems:
 Remote monitoringDamen Triton
 Digital echo sounderDisplay 6.5" TFT LCD,
 frequency 200kHz, Voltage 230V

Onboard capacities:
 Fuel oil30.5m³
 Fresh water3.5m³
 Sewage0.55m³
 Ballast water/dirty oil0.42m³
 Urea1.5m³

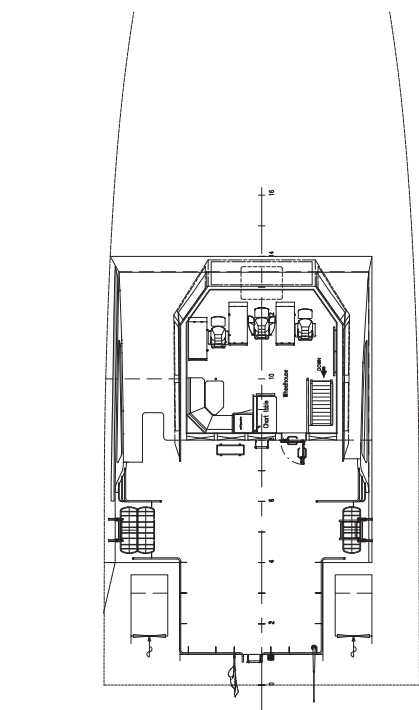
Complement:
 Number of crew3
 Number of (industrial) personnel26
 Number of cabins1 x captain's cabin
 1 x single crew cabin
 2 x double crew cabin

Classification
 Classification societyBureau Veritas
 NotationsI ✱ HULL ● MACH,
 Light ship / Fast Utility Vessel,
 Electric Hybrid (ZE), Sea area 3

Purus Tigers 1839 is the fourth FCS 2710 Hybrid design delivered by Damen Shipyards to Purus. The 26.8m loa vessel has been designed to provide low-emission crew transfer services to the offshore wind sector. Purus has stated its intention to operate an environmentally conscious fleet, which includes its series of crew transfer vessels (CTVs).

The vessel features a battery capacity of 190kWh, enabling it to operate with zero emissions while in harbour and when loitering at offshore wind farms. In addition to its hybrid capabilities, the FCS 2710 Hybrid is IMO Tier III-compliant, in recognition of its significantly reduced NOx and SOx emissions. "With these performance standards, Purus aims to directly provide its clients with the benefits of reduced emissions and fuel consumption," Damen Shipyards states.

The new Hybrid FCS 2710 has now joined the three other models in this series that Purus Wind's High-Speed Transfers department ordered from Damen in the second half of 2022. Damen says that *Purus Tigers 1839* "is updated with the latest design adjustments such as an improved wheelhouse window arrangement and

Bridge deck

**Damen
Fast Crew Supplier® 2710**

TWIN AXE



Main dimensions

Length overall 26,80 m

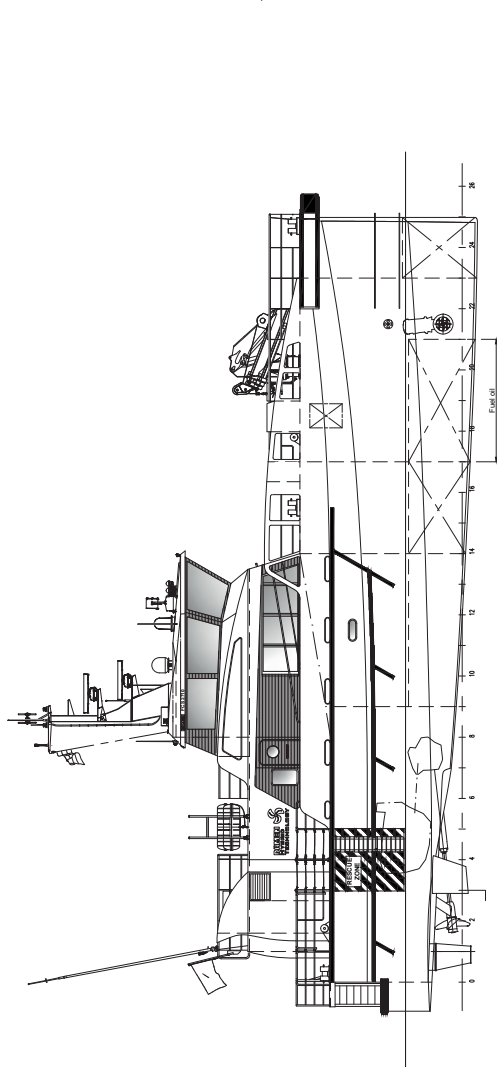
Length overall	26,80 m
Beam overall	10,50 m

Beam Overall	10,50 m
Depth at sides	4,30 m

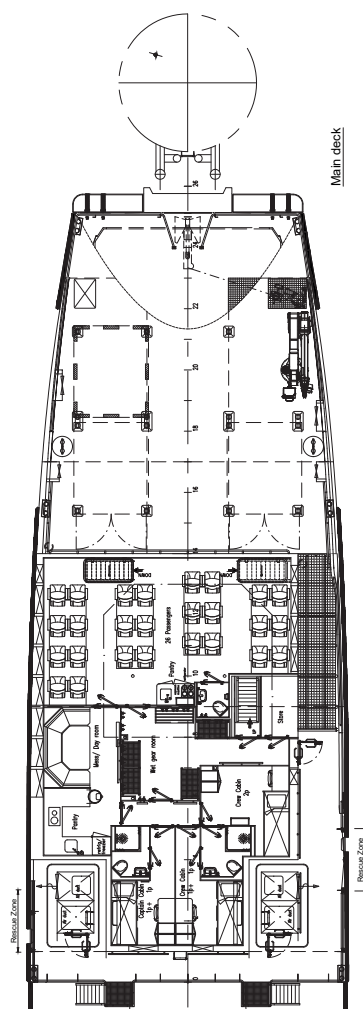
Depn at slues
Draught aft (approx.)

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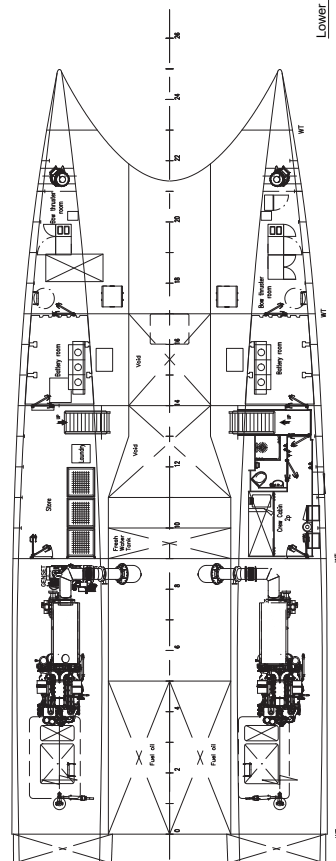
ITEMS MARKED ARE OPTIONAL EQUIPMENT



Profile



Main deck



Lower deck